5 (030) Superfund/HRS

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### **SEPA**

# POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT

1. IDENTIFICATION
OT STATE OZ SITE NUMBER
TL. D981 958309

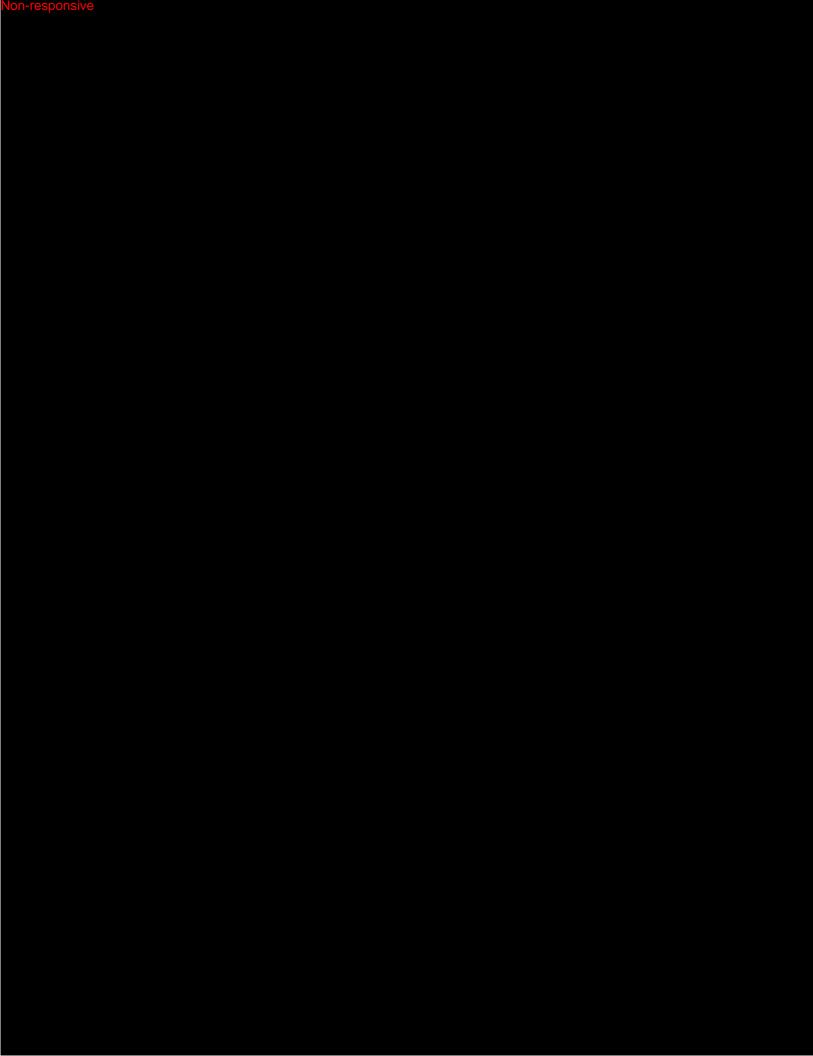
II. SITE NAME AND LOCATION  Of SITE NAME (Legal, common, or descriptive name of site)			
I O1 SITE NAME (Legal, common or descriptive name of site)			
	02 STREET, ROUTE NO., OR SPEC	CIFIC LOCATION IDENTIFIER	
MORRISON PUBLIC WELLS #1 : #3	104 STATE OS ZIP CODE TOB CO	0//	Toyon and to come
<b>.</b> .			07COUNTY 06 CONG CODE DIST
MORRISCH  09 COORDHATES LATITUDE LONGITUDE	IL 61270 W	hiteside	195 16
N41 4822.0 W89.58.28.5		D) E C E I	VED
10 DIRECTIONS TO SITE (Staring from nearest public road) See attache		П/7	עו
Water works pork, near fair gi	rounds and S	: IP. JUN 19	1987
III. RESPONSIBLE PARTIES	<del></del>	Progr	
01 OWNER (# known)	02 STREET (Business, mailing, resident	Support S	<del>jection</del>
			1
City of Morrison	04 STATE 05 ZIP CODE	MAIN STR	[2]
M .	المسا		
07 OPERATOR (If known and different from owner)		1815 1772-7657	l
VI OFERNATION (# Inform and gineren) from owner;	08 STREET (Business, mailing, resident		
same as above		as above	
WCIT	1 - 1 1	2 TELEPHONE NUMBER	
· Same as above	same as	1 Jabove	
13 TYPE OF OWNERSHIP (Check one)  A. PRIVATE B. FEDERAL:	T 0 00100	D.COUNTY FE.MU	
(Agency name)	UC.SIAIE	LID.COUNTY 12 E. MU	NICIPAL .
□ F. OTHER:(Specify)	G. UNKNOW	N	
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)			,
A. RCRA 3001 DATE RECEIVED: HONTH DAY YEAR B. UNCONTROL	LED WASTE SITE (CERCLA 103 c)	DATE RECEIVED: HONTH O	C. NONE
IV. CHARACTERIZATION OF POTENTIAL HAZARD			
01 ON SITE INSPECTION FIRST BY (Check of that apply)			
DE YES DATE 12/3/86 DA. EPA DB. EP	A CONTRACTOR C. S CIAL F. OTHER:	TATE D. OTHER	CONTRACTOR
LATEST 12-12-86 CONTRACTOR NAME(S):			
02 SITE STATUS (Check one) 03 YEARS OF OPER	3-1950 Presen	† UNKNOW	
	BEGINNING YEAR ENDING YEAR		
	DEGRAMMO TEAM ENUMO TEAM		V
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED	DECISIONING TEAM CHANGE TEAM		Y
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED			
			on 5 Records Ctr.
SOLVENTS (TOXIC, PERSISTENT, Vo			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED  SOLVENTS (TOXIC, PERSISTENT, Vo.)  05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION	LATILE )		
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED  SOLVENTS (TOXIC, PERSISTENT, Vo.)  05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION	LATILE )		on 5 Records Ctr.
SOLVENTS (TOXIC, PERSISTENT, Vo	LATILE )		
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED  SOLVENTS (TOXIC, PERSISTENT, Vo.)  05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION	LATILE )		on 5 Records Ctr.
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED  SOLVENTS (TOXIC, PERSISTENT, Vo  05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION  GROUND WATER (PSPULATION)  V. PRIORITY ASSESSMENT	NVIRON MENT)	EPA Regi	on 5 Records Ctr.
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED  SOLVENTS (TOXIC, PERSISTENT, Vo  05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION  GROUND WATER (POPULATION)  V. PRIORITY ASSESSMENT  01 PRIORITY FOR INSPECTION (Check and It high as medium a shecked, complete Pet 2: Wester Info	NVIRON MENT)	EPA Regi	on 5 Records Ctr.
O4 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED  SOLVENTS (TOXIC, PERSISTENT, Vo  O5 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT ANDIOR POPULATION  GROUND WATER (FOR LATION)  V. PRIORITY ASSESSMENT  O1 PRIORITY FOR INSPECTION (Check one If high or medium is shecked, complete Pert 2: Waste Info  WA. HIGH   B. MEDIUM  C. LOW	NUIRON MENT)	EPA Regi	on 5 Records Ctr. 392206 942670
O4 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED  SOLVENTS (TOXIC, PERSISTENT, Vo  O5 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION  GROUND WATER (PSPULATION)  V. PRIORITY ASSESSMENT  O1 PRIORITY FOR INSPECTION (Check and If high as medium a shecked, complete Part 2. Waste Info  WA. HIGH	NUIRON MENT)	EPA Regi	on 5 Records Ctr. 392206 942670
O4 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED  SOLVENTS (TOXIC, PERSISTENT, Vo  O5 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION  GROUND WATER (PSPULATION)  V. PRIORITY ASSESSMENT  O1 PRIORITY FOR INSPECTION (Check and If high as medium:s shecked, complete Part 2: Waste Info  A. HIGH  (Inspection required promptly)  (Inspection required)  C. LOW (Inspection required)	NUIRON MENT)  mation and Part 3 Description of Hazardous  D. NONE (No Author sci	EPA Regi	on 5 Records Ctr. 392206 942670
O4 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED  SOLVENTS (TOXIC, PERSISTENT, Vo.  O5 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION  GROUND WATER (POPULATION)  V. PRIORITY ASSESSMENT  O1 PRIORITY FOR INSPECTION (Check and If high as medium a shecked, complete Part 2: Waste Info  WA. HIGH   B. MEDIUM (Inspection required) (Inspect on time)  VI. INFORMATION AVAILABLE FROM  O1 CONTACT   O2 OF JAyana, Sayana,  Walter Hearth	NUIRON MENT)  matten and Part 9 Description of Hazardous prostlands backs  The Author act	EPA Regi	942670
O4 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED  SOLVENTS (TOXIC, PERSISTENT, Vo  O5 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION  GROUND WATER (PSPULATION)  V. PRIORITY ASSESSMENT  O1 PRIORITY FOR INSPECTION (Check and If high as medium: a shecked, complete Part 2: Waste Info  WALHGH (Inspection required) C. LOW (Inspection required)  VI. INFORMATION AVAILABLE FROM  O1 CONTACT  WALTER HEATTN	NUIRON MENT)  mation and Part 3 Description of Hazardous  D. NONE (No Author sci	EPA Regi	392206 942670
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#### POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

- 1	I. IDENTIFICATION					
į	01 STATE	02 SITE NUMBER				
	11_	02 SITE NUMBER 309				

ACL	<b>A</b>			E INFORMATION		IL 0.88	1958309
II. WASTE ST	ATES, QUANTITIES, AN	D CHARACTERI					
01 PHYSICAL ST	TATES - Check all that apply:	02 WASTE QUANTI		03 WASTE CHARACTE		anciv <sup>1</sup>	· ·
A SOCIO E SEURE - mus na			l waste quantities innependent	A TOXIC	E SOLU		
C SLUDGE		TONS	Nwan	B CORROS			
UN	KHOWN	CUBIC YARDS	.0 0 00 70	D PERSIST	ENT H IGNIT		ATIBLE
: D OTHER	:Specify!	NO OF DRUMS				110.71	LIOAGEL
III. WASTE T	YPE						<u> </u>
CATEGORY	SUBSTANCE N	AME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		·
SLU	SLUDGE		İ	i i			
OĽW	OILY WASTE					<del> </del>	
SOL	SOLVENTS		UNKNOWN	UNENOWN	UNKNOW	· ·	
PSD	PESTICIDES		J. S. C.	J. LEWOWN	.UNENSWI	<u>v</u>	
occ	OTHER ORGANIC CI	HEMICALS					
IOC	INORGANIC CHEMIC				· · · · · · · · · · · · · · · · · · ·		
ACD	ACIDS			<del> </del>	<del></del>	···	
BAS	BASES		<del> </del>	<del> </del>		<del></del>	
MES	HEAVY METALS		<del>                                     </del>	<b></b>			
	OUS SUBSTANCES IS	ppendix for most frequent	lly cited CAS Numbers)	<u> </u>			
01 CATEGORY	02 SUBSTANCE	IAME	03 CAS NUMBER	04 STORAGE DISP	OSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
SOL	T12 - Dichia	rocthane	156605	UNKNO	ωN	UNKNOWN	UNENDUN
SOL		octhane	71556	11	•	11	11
SOL		hylene	79016	11	· · · · · · · · · · · · · · · · · · ·	11	W
SOL	Tetrachloroeth	Vlene (PCE)	127184	W/		4	M
<u> </u>		71007555-3	1		· —, —, —, —, —, —, —, —, —, —, —, —, —,	1	<b>,</b>
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			<u> </u>	<u> </u>	- <del></del>	ļ	<u> </u>
				<u> </u>			
V. FEEDST	DCKS (See Appendix for CAS Num.	be/\$)		<del></del>			<del></del>
CATEGOR	01 FEEDSTO	CK NAME	02 CAS NUMBER	CATEGORY		TOCK NAME	02 CAS NUMBER
FDS		4,		FDS		4	١,
FDS	,00	·	3	FDS		, u <sup>r</sup>	
FDS	1,1		1770	FDS	. 40	<del>-</del>	~\nu_\nu_\nu_\nu_\nu_\nu_\nu_\nu_\nu_\nu_
FDS	10,,		12/4	FDS	74.		IN
VI. SOURCES OF INFORMATION (Cite specific references e.g. state lifes. sample analysis reports.)							
	J. W. WINNIGHT			· · · · · · · · · · · · · · · · · · ·		<del></del>	
	_						
IIA	PA-PINS	FADILIT!	y # 19503	350 lises	111 -	# 11907	
	PA-PWS	1 47-7717 /	, , , , , ,	, ,		# 1	
l				WE	// *S =	11709	



Tupth 1643

District White Date In Taxideshalary  Place In 3-86  Summary well in Taxideshalary  Place Works Garage Wabout St of well  Grand Fiol storage  Sawaga Treatment Plant essentive St of well	Public Water	r Supply Morrison *1	1950350	
Date 17-3-86  SUMMARY well in residential area  Hazard  Destric Works Garege Wabove  Non-  SE of well				RECEIVED
Hazard Location  Public Works Garage Wabove Non- SE of well	Surveyor 🔟	rite		
Hazard Location  Public Works Garage Wabove Non- SE of well	Date 172-3	·-8C	119	07 750aph
Hazard Location  Public Works Garage Wabove Non- SE of well		1) 1 1	, , ,	Via 10 10 10 10 10 10 10 10 10 10 10 10 10
Public Works Garage Wabove Non- SE of well	SUMMARY we	11 in residental are	9	
Public Works Garage Wabove Non- SE of well				·
Public Works Garage Wabove Non- SE of well				
Public Works Garage Wabove Non- SE of well	<u>:</u>		·	
Public Works Garage Wabove Non- SE of well	lla ma cod	•	location	
Pritir Works Garege y above Non- grand Fiel storage Sewage Treatment Plant St. of well  ""  ""  ""  ""  ""  ""  ""  ""  ""		141/	<del></del>	
grand Fiel storage Sewage Treatment Plant esponsive SF of well	) Public	Works Garage / ab	Non-	St of well
Sawaga Troatnert Plant responsive SF of well	Crand	Fol Storage		
Sewage Treatment Mant responsive St of well	7.30.800	+ 1 12 12 12	Non-	( 5 6 1)
	1 zemadi	a treatment Plant	responsive	St at well
	7			·
	<i>ts:</i> <sup>*</sup>		<del></del>	
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## POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDENTIFICATION 01 STATE 02 SITE NUMBER

PART 3 - DESCRIPTION	OF HAZARDOUS CONDITIONS AND INCIDENTS	12 107	81738 30	Z
II. HAZABBOUS CONDITIONS AND INCIDENTS				
01 KA GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED 6/00	02 (OBSERVED (DATE			
Walls # I and #3 Were	sampled by IEPA (PWS	) AND	FOUND :	70
CONTRIN from 14 40 9	2 Sampled by IEPA (PWS)	organ.	ح	
solvents.	<del>k</del>	O		
01 B. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED.	02 TOBSERVED (DATE) 04 NARRATIVE DESCRIPTION	POTENTIAL	. : ALLEGED	
UN	IKHOWH			
01 © C CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED:	02 C OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	POTENTIAL	C. ALLEGED	
ប។	7 KNOM4			
01 [] D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED:	02 C OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	L: POTENTIAL	□ ALLEGED	
υ	NKNOWN			
01 DE. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED.	02 C OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	POTENTIAL	ALLEGED	
_	NKNOWN			
01 X F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: (45/28)	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	X POTENTIAL	. : ALLEGED	
High probability of	contam. neted suit and graced wells.	oundwater		
upgradient of Contumin	reted wells.			
01 [J.G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED	02 LJ OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	L. POTENTIAL	ALLEGED	
5=	e A above			
01 :: H WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED:	02 (] OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	LI POTENTIAL	.3 ALLEGED	<b>-</b> -
MAKADIDA				
01 A POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED	02 (   OBSERVED (DATE) 01 NARRATIVE DESCRIPTION	[] POTENTIAL	C ALLEGED	
	see A above			

## POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

	1. IDENTIFICATION						
ı	õ	STATE	02 SITE NUMBER				
	ļ	11	Dal 9583				

	F HAZARDOUS CONDITIONS AND INCIDENTS	IL D	981958309		
# MAZARDOUS CONDITIONS AND INCIDENTS (Continued	7				
DI LI J. DAMAGE TO FLORA DA NATRATIVE DESCRIPTION	02 C OBSERVED (DATE)	D POTENTIAL	□ ALLEGED		
/	UNKHOWN				
01 D.K. DAMAGE TO FAUNA Oid NARRATIVE DESCRIPTION (SECURE CAMBELLI OF ADDICUSE)	02 TOBSERVED (DATE:)	D POTENTIAL	□ ALLEGED		
	UNKNOWN				
01 () L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02   OBSERVED (DATE:)	☐ POTENTIAL	□ ALLEGED		
	( N K N P M )				
01 () M. UNSTABLE CONTAINMENT OF WASTES	02   OBSERVED (DATE:)	D POTENTIAL	ALLEGED		
(Spits Type!! standing legals fishing drums) 03 POPULATION POTENTIALLY AFFECTED.	04 NARRATIVE DESCRIPTION				
	UNKNOWN				
01 (LIN DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION	02 Li OBSERVED (DATE:)	13-POTENTIAL	□ ALLEGED		
	UNENOWN				
01 C O. CONTAMINATION OF SEWERS, STORM DRAINS, V 04 NARRATIVE DESCRIPTION	WTPs 02 G OBSERVED (DATE:)	□ POTENTIAL	□ ALLEGED		
·	UNKNOWN				
01 © P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE:)	☐ POTENTIAL	□ ALLEGED		
	UNKNOWN				
OS DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, O	R ALLEGED HAZARDS				
	·				
M. TOTAL POPULATION POTENTIALLY AFFECTED: _ IV. COMMENTS	6/00				
correct Casing depth may play role in Why \$14#3 ore					
Contominated wells are open to multiple aguifurs - Scaled cornent casing depth may play role in why \$1\$ #3 are contominated but \$2 is not - Well #4 may not be adequate source of water for carry of marrison.					
V. SOURCES OF INFORMATION (Cre specific references. e. g., state files, sample analysis, reports)					
Sec	V				

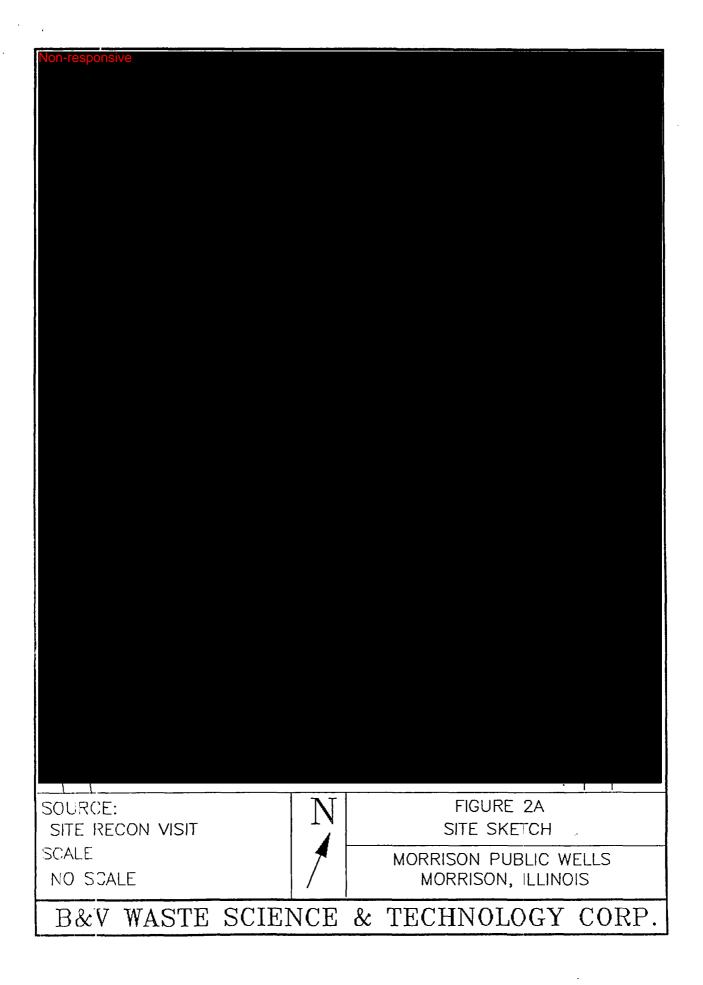
#### **EXECUTIVE SUMMARY**

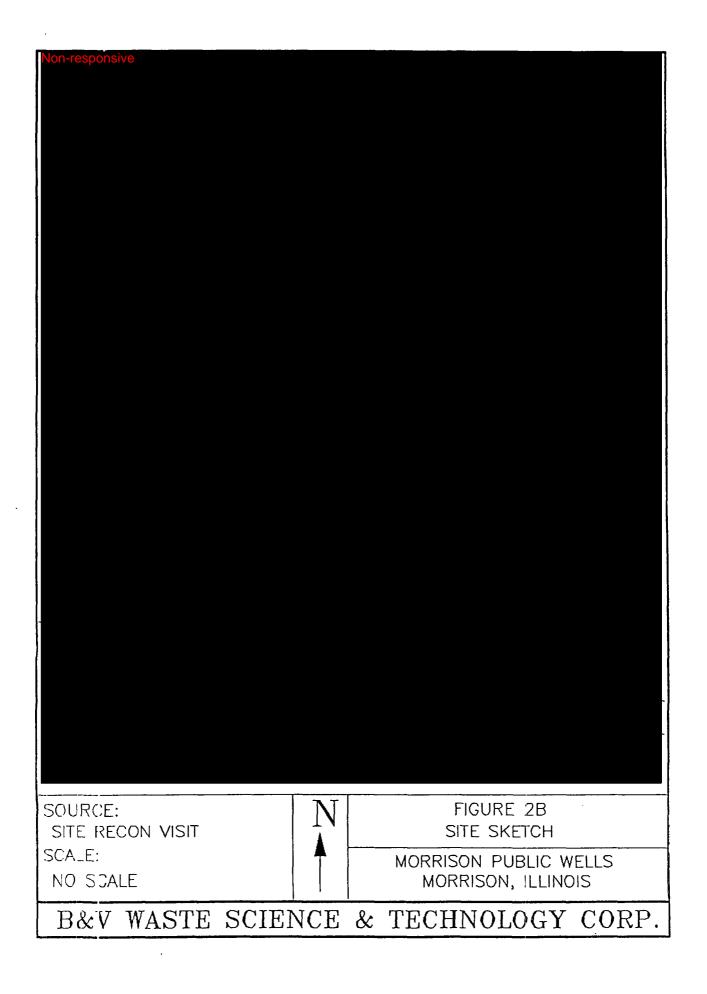
Morrison's Public supply Wells #1 and #3 have been found to contain contain concentrations ranging from 14 to 952 parts per billion (ppb) of organic solvents. These wells are obtaining water from several formations including the Galena Platteville Dolomite, St. Peter Sandstone, Prairie DuChien Dolomite and the Franconia Sandstone. These wells are deep wells (well #1 -1643 ft. well #3 -1625 ft.) but their grout casing seals are relatively shallow and may not be providing adequate seals from shallow groundwater contamination. Morrison's supply well #2 located near wells #1 and #3 has a cement grout seal to a depth of 520 ft as compared to the grout seal depth of 137 ft. in well #1 and 95 ft. in well #3.

Wells #1 and #3 have been shut down and have been put on an emergency standby status.

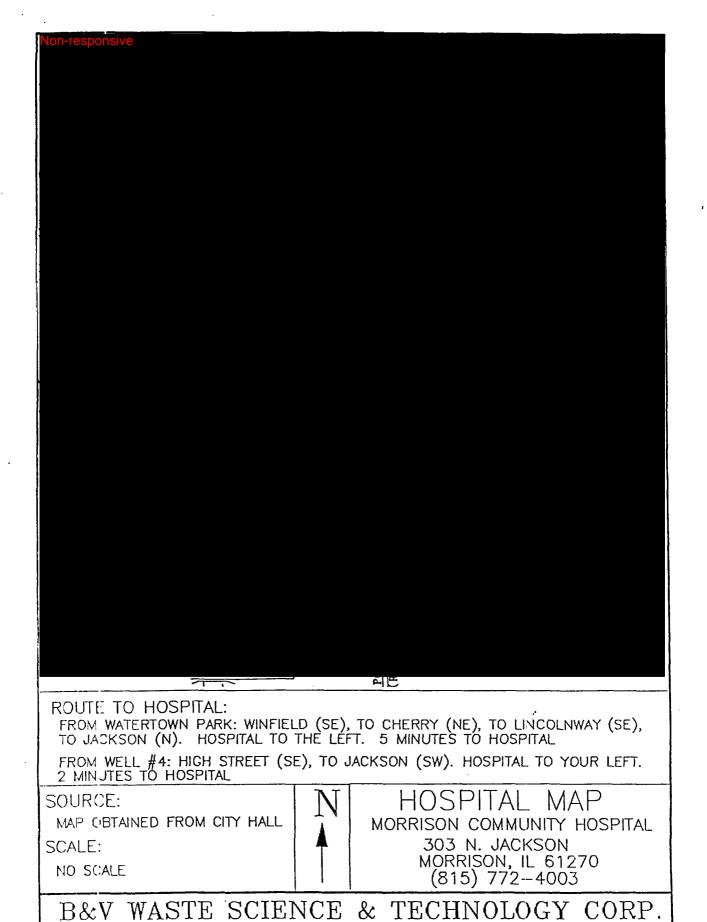
Potential sources of contamination, in close proximity to the contaminated wells, include the public works garage, the sewage treatment plant, municipal landfill and the General Electric plant (see attached map and the well head survey).

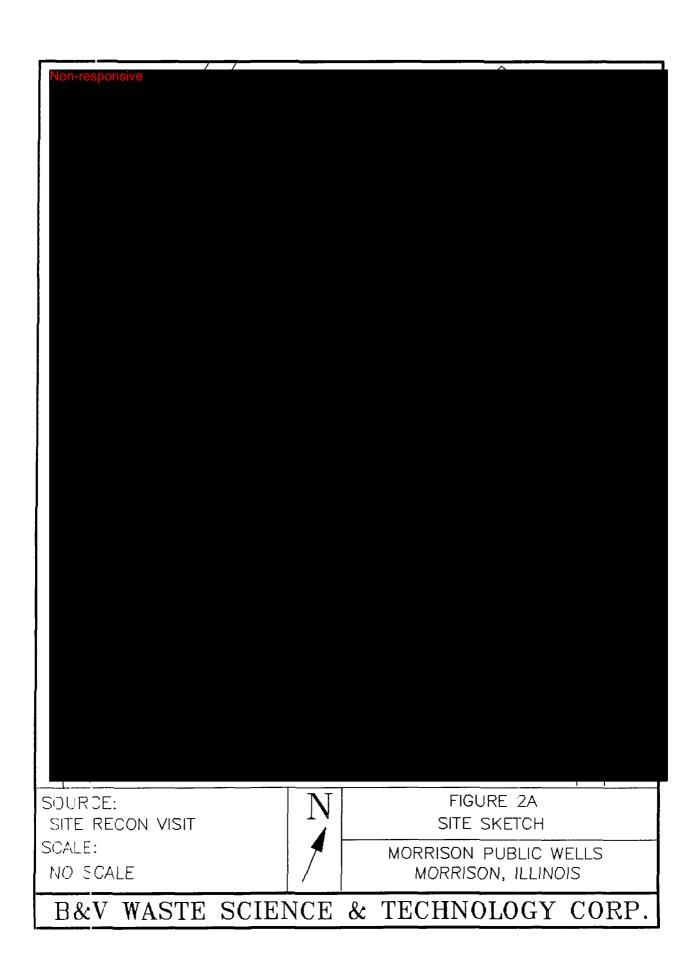
Non-responsive				
SOURCE: US TOPOGRAPHIC MAP, 1985 MORRISON QUANDRANGLE	N		FIGURE 1 SITE LOCATION MAP	
SCALE: 1:24,000			MORRISON PUBLIC WELL MORRISON, ILLINOIS	_S
B&V WASTE SCIEN	VCE	&		ORP.





Non-responsive		
ę		
SOURCE:	N	FIGURE 3 NEAREST RESIDENCE & PRIVATE WEL
SITE RECON VISIT SCALE:	<b>A</b>	MORRISON PUBLIC WELLS
NO SCALE		MORRISON, ILLINOIS
B&V WASTE	E SCIENCE	& TECHNOLOGY COR





Non-responsive				
				:
				_ [
SOURCE: SITE RECON VISIT	N		FIGURE 2B SITE SKETCH	
SCALE: NO SCALE			MORRISON PUBLIC WELLS MORRISON, ILLINOIS	5
	SCIENCE	&	TECHNOLOGY CO	ORP.

•

Non-responsive		
SOURCE: SITE RECON VISIT SCALE:	N	FIGURE 3  NEAREST RESIDENCE & PRIVATE WELL  MORRISON PUBLIC WELLS
NO SCALE  B&V WASTE	SCIENCE	MORRISON, ILLINOIS & TECHNOLOGY CORP.

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Non-responsive					
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C.					
	1 1175				
SOURCE:		N	HOSP	ITAL MA	4 P
MAP OBTAINED FRO	M CITY HALL	TA   V	MORRISON C		
SCALE:		<b>A</b>	303 N	. JACKSON	
NO SCALE			MORRIS (815)	SON, IL 612 772-4003	2/U 3
B&V WAST		<u> </u>	(010)	772 7000	

